

Support For
sinclair
ZX81 - spectrum - QL
and

TIMEX sinclair

1000 - 1500 - 2068
computers

TIMELINEZ

VOLUME 7

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JANUARY 1989

\$2.50

TIMEX/sinclair User Group News-Magazine

**HAPPY
NEW
YEAR!**

NETWARE DIVISIONS
T/S SIG
TELECOMMUNICATIONS SERVER
STARTER'S MANUAL/GUIDE

BY
KEVIN LEUNG
(XXX @ NETWARE DIVISIONS)

SUPPORT FOR:

- CAMBRIDGE Z88 LAPTOP
 - SINCLAIR QL
 - ZX SPECTRUM+ 128K
 - TIMEXsinclair 2068
 - TIMEXsinclair 1500
 - TIMEXsinclair 1000
- AND ALL OTHER SYSTEMS

INTRODUCTION

In the past few years, we have been supported from many BBS's, however, we always seem to look for a bigger, faster and better system to handle our needs. So I started the TIMEXsinclair SIG in NetWare Divisions. NetWare Divisions is the same type of system as the well known "WELL" (Whole Earth 'Electronic Link). It has online files, online programs, UUCP, E-mail (world wide), party lines and many other goodies.

THE START OFF

To start off with, you must have a modem to gain access to the system. You can call any time to start your account. Login as "new" and answer all the questions carefully. For those of you who are using MTERM I or II, when the computer asks you what emulation you're using, answer with "VT-52". That will tell the computer you're using a "smart terminal" for the on-line programs, full screen editor, split-screen talk and much more. For the ones that use the Z88, you can try "ANSI" as your ENU (I really don't know what the ENU is). However, for the GLers with GLterm as your ENU, use "DUMB" and for the Gcode ver. 4.0 through ver. 5.0, use either "VT-52" or "DUMB". The users that are set up for "DUMB", you can still up/down load software and use the conference.

NOTE: If you're using a T/S 2050 modem, logon with 7, 1, EVEN and for Spectrum 64 software users, you should be set up as a "DUMB" terminal.

THE BBS

There are many conferences here and you have full access to it once you enter the system. There are many conf's to get a listing, all you have to do is just type "HELP CONF" or "H CONF". There are over 27 conf's and each of them branch into items. You can create as many items as you want as long as it is not junk. Here are some commands you may want to try out in the conf's.

- help = get conf's help at anywhere
- scan = look at the header of the item
- read = read all new responses on the current conf
- enter = start a new item
- join [conf name] = join or move to another conf

There are many commands in the conf program but you can easily find them by using the help command. Conf commands can be shortened, Ex: r = read, s = scan, etc....

OUTSIDE THE BBS

You may have noticed that this is a UNIX system. You can use some of the commands for up/down load, talk, mail, (world wide), party, online programs, full screen editor and much more. Here are some commands, remember that there are many more. You might want to buy or borrow a UNIX book to find and use the other commands. If you're using these commands in the BBS Conf's, add a "!" with the command(s), Ex: [!uhoda].

- cat [option][file_name] = print a file
- (file_name) = prints a file
- cp (path) = copy a dir for reading etc.
- mail (file_name) = to mail somebody local or world wide with UUCP (personal message(s))
- more (file_name) = prints a file one page at a time (22 x 80)
- pwd = see what dir you are using now
- mv (file_name) = move a file
- ls [options][file_list] = to see whats in the dir

FILES

There are many online files for down-loading, they're all located in "usr/member/kdk". You can also upload to the same dir using "xm". If you are using a T/S 2068 or T/S 1000, you must do the following:

1. Type xm [options] (file_name)
2. Enter your terminal menu and set to 8, NONE, 1
3. Run xmodem on your computer
4. After xfer, change back to 7, EVEN, 1 on your computer
5. Enter terminal mode

And do the same for uploads.

SEE YOU ONLINE.....KEVIN

TT **TIME**
II **Xsinclair**
MM **user group**
EE **News-Magazine**
LL
II -T/S-PUG
NN -T/S-SUU
EE -S/T-EBZUG
ZZ -TCWT/S_SIG
ZZ -TAS-BAM, Inc.

FRONT

PAGE

PRINTED USING
Sinclair QL
PROFESSIONAL
COMPUTER AND
THIS PROGRAM.

DESK-TOP PUBLISHING
FOR THE SINCLAIR QL

TIMELINEZ INFORMATION

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 Pacifica, CA 94044
 ATTN: George Mockridge

Back issues of **TIME-
LINEZ**, 7/83 thru 12/87
 Contact Bill Miller
 at:

SinLink
 6675 Clifford Drive
 Cupertino, CA 95014

Issues 1/88 - present, contact your editor at **American Micro**.

The PDSE Library is
 now available to all;
 covering T/S1000-1500,
 T/S 2068, Spectrum and
 the QL.
 Contact **American Micro**
 for further details.

FROM THE T/S BULLETIN 8/88 (sideways, but worthwhile)
Contact: Bill Harmer, 97 Ruskin St., Ottawa, Can. K1Y4B3



GETTING A DISK DRIVE FOR YOUR TIMEX-SINCLAIR

I am sold on disk drives. The Larken system for my TS1000 has made it quick to work with indeed instead of the plodding mind-tool it used to be. Saving (or loading) a program now takes 7 to 10 seconds instead of the one to ten minutes that the cassette recording used to take. It stores about 158K to a disk costing 60-70¢ in Canada (5¢ double sided). This is 16 average programs. I am a believer.

Let me apologise in advance for the possibly incomplete information below. But a survey, even if it contains the odd mistake, is necessary to put the availability of disk drive systems into a larger perspective. So, here goes!

For Your TS2068: Aerco (Texas) makes a large and expensive system but it has many extra, non-disk related features such as peripheral interfaces and extra system RAM expansion. Also RP/M, a CP/M operating sys. clone is available as an option.

Larken Electronics has produced three generations of disk drive systems. DOS i cartridge-port DOS among them. Fast, flexible and reliable as well as fairly inexpensive (as these systems go). Oliger Co. has a disk system out too. Like the Larken systems it will handle a variety of disk types, single or double sided, if you want it tailored for one of these (by special order).

RAM DEN-Larken El. also has a RAM disk which is used with the cartridge DOS interface to allow saves and loads to static RAM instead of the mechanical disk drive.

For The TS2068 Running the Spectrum ROM Using a ROM Switch

Larken systems are compatible with both TS2068 mode and Spectrum mode. Check with the other manufacturers to see if their systems have been adapted to handle Spectrum mode.

Disciple interface from England will work on the TS2068 only when it is in Spectrum mode. It has a snapshot mode to save to disk copy protected Spectrum programs from England.

Aerco also makes a ZI-81/TS1000 version. A CP/M clone, RP/M is still yet available for it last I heard. Priciest but kits available 150.00. Larken also makes an LDOS interface for the TS1000/ZI-81. Standard mode uses 5 1/4 double-sided diskettes, 158K approx. It is cheapest. Oliger also makes a version for the ZI-81/TS1000.

Trump Card and the cheaper **ACE Card** from Miracle Systems are tops. **Sandy Q-Board** (without RAM chips) is the next down in price.

Cumana Interface costs the least of the three (at-US\$130).

Sir Clive's Z-88 Laptop has the ability to write to the disk drive in an IBM-compatible computer as well as storing information in its own ROM chip cartridges. It can write to disk with QL and other computers, 7777 -PC8300 (oriental ZI-81 clone) and TS1500 - Met known if disks are available that will work on these systems, or for ZI-80.

Other disk systems were made for these computers and some individuals have made their own disk systems over the years. You might therefore find a non-standard system available on the used market or plans for making a do-it-yourself i/f. Most disk systems' disks are incompatible with each other. Larken ZI-81 disks won't work on the TS2068, although with a switch of ROM the LDOS disk interface (the original one) will work with either the ZI-81 or TS2068. Often disk drives (from manufacturers of generic disk drives rather than whole units with interface as used by the Commodore 64) can be used with several different interface boards and/or for several different computers. If you now own a disk drive or can buy one used or surplus you may be able to find one of the above interface boards will work with it (often only specifying a special ROM is necessary).

TS1000/ZI-81:

Sinclair QL:

Sir Clive's Z-88 Laptop

7777 -PC8300

FROM THE FEB. 1989 PLOTTER N/L OF CLACKAMAS COUNTY, OREGON

MS-DOS FOR THE QL-

will be available at RMG and other QL dealers VERY soon! You will now be able to run all of the public domain and shareware software on your QL. It comes from DIGITAL PRECISION and is available in 2 versions, with and without DOS. For pricing and specs, send a SASE (legal) to RMG ENTERPRISES, 1419 1/2 7th STREET, OREGON CITY, OR 97045.

EAST COAST FEST-

is set for the first weekend in May in a suburb of Baltimore, MD. The host group is CATS, Capitol Area TS users. We are in a position to know how they feel and we want to extend best wishes and good luck in the endeavor. We do not want to cast a pessimistic pall over the idea of the computer fest, but, in our opinion, this will more than likely be the last of the TS fest/fairs that we will see UNLESS this is a TERRIFIC success!

FROM THE JAN. 1989 HACKER N/L OF HENDERSON, NEVADA

Z88 USER FORMS OWN BBS IN SUPPORT

the newest of the lap-tops, now has its own BBS. Phil Wheeler, of the Torrance/L.A. area has taken the task of becoming a SYSOP. Support and programs will be provided for the Z88, M-100 and family, (PC lappers, laptop specifics only) and CPM lappers.

His equipment includes a Z-150 with a 30 meg. hard drive. The baud rate is 300/1200/2400. The communications package is that of a FIDO board. His main objective is to support the Z88. the status of the board is open and free: will stay open if not abused. All you Z88 users out there, give Phil a call at: Torrance Laptop Support Group 1-213-370-2754

8/1/N

Plenty of activity, give Phil a call & see

1989 Jan 03 14:24:28
f1p1 sn8901 lis
890103.1420;; words: 1220;;
(S)inLink;; (N)ewsletter;;
Filename: sn8901 (sn8812);;

Page 1:..
Sincink Newsletter..
Volume 8; Number: 1..
Jan, 1989...

8 (c) Copyright 1989 Sincink..
May be freely copied for non-
commercial use only..
Please give credit to author and
source..
For commercial use, contact
Sincink, 408-253-3175...

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8 Disclaimers: Sincink and
Authors disclaim responsibility
for the results of hardware
modifications to your computer
system..
If you are not SURE of your
capabilities, get someone with
more experience to help you...

8 What is Sincink?..
Sincink is the name of the
original publication of the
Group Using Timex Sinclair of
Silicon Valley (GUTS/SV)..
Sincink was first published in
April, 1982..
Parts of Sincink are usually
printed in TIMELINEZ, the
publication of Timex Sinclair
East Bay 780 User Group
(TSEBZUG), Timex Sinclair
Peninsula User Group (TSPUG)
and GUTS/SV...

8 What are the advantages of
'subscribing' to Sincink?..
The purpose of most user groups
is to share information..
The best way to do this is thru
a newsletter, since most
members cannot attend every
meeting..
If you have a problem (or a
solution), the best way to ask
for help (or give help) is thru
the newsletter..
The newsletter also usually
contains information about
other User Groups around the
nation and world that we gather
thru our newsletter
exchanges...

8 How do I 'subscribe' to
Sincink?..
For User Groups (even small
ones- there is nothing wrong
with a one person User Group
that puts out it's newsletter
on a TS2040), we would prefer
to exchange newsletters on disk
(or paper if disk is not
available)..
If you just can't exchange
newsletters, the best way to
'Subscribe' to Sincink is thru
SLIX ((S)inLink)
(I)nteraction E(xchange)..
Send us some Sinclair related
information and we will send
you a current Sincink and a
'SLIX Contacts' printout with
your information in it so that
you can check it for accuracy
and suitability..
Mail exchange newsletters or
information (on disk or
paper) to:..
SLIX..
c/o Bill Miller, 408-253-3175..
6675 Clifford Drive..
Cupertino, CA 95014-4530..
You may also call your
information in to the telephone
number listed above..
The information will become part
of the Permanent SLIX Database
which will be made available to
all SLIX participants in as
many disk formats as we can
manage..
The preferred method for
exchanging information is as
ASCII text on 3.5in or 5.25in
floppy diskette using:..
88 MFM (Modified Frequency
Modulation- double density)..
88 80 or 40 cylinders..
88 (2) tracks (heads) per
cylinder..
88 (9) 512 BYTE sectors per
track..
The preferred disk formats (in
descending order of preference)
are:..
88 QL 5.25in, 720K..
88 QL 3.5in, 720K..
88 MS(PC)-DOS 3.5in, 720K
(Preferred Standard, 3.5in)..
88 MS(PC)-DOS 5.25in, 360K
(Preferred Standard, 5.25in)..
88 QL Cartridge or other QL Disk
Formats (Single Sided, 3in,
etc.)..
88 MS(PC)-DOS 3.5in, 1.44MB..
88 MS(PC)-DOS 5.25, 1.2MB..
88 C64/128 3.5in, 800K..
88 C64/128 5.25in, 340K..
88 Amiga 3.5in, 880K..
88 TS2068 5.25in, Larken 800K..
88 TS2068 3.5in, Larken 800K..
88 TS2068 5.25in, JLD 795K..
88 TS2068 3.5in, JLD 795K..
88 Macintosh 3.5in, 400K..
88 Macintosh 3.5in, 800K..
88 'Next' 256MB Optical Disk...

If you don't have a disk system
that can read and write any of
these formats, parts of
Sincink are available in
TIMELINEZ..
TIMELINEZ subscriptions are
available (\$15 Annually) from:
American Micro Connection..
408-270-9730..
2175 Aborn Road #262..
San Jose, CA 95121..
If you absolutely MUST have most
of Sincink in printed form and
you already subscribe to
TIMELINEZ, subscriptions to
Sincink are \$10.00 per year..
If you do not subscribe to
TIMELINEZ, subscriptions are
\$15.00 per year..
Make check or money order
payable to:..
Sincink..

Hail to:..
Sincink..
c/o Bill Miller, 408-253-3175..
6675 Clifford Drive..
Cupertino, CA 95014-4530...

1989 Jan 03 10:49:51
f1p1 sc8812 lis
890103.0929;; words: 7288;;
(S)LIIX;; (C)ontacts;;
Filename: sc8812 (sfc88)
(1 Page);;

SLIX Contacts 8812 (51)?:...

8 881231/TCM TS SIG Meeting;;
Attendee (1): Bill Miller...

8 881230/Letter from: Donald
Lambert with: \$13.95 check to:
American Micro Connection for:
Deposit and S&H for:..
Sync 8111-8112;; V1;; 86..
Sync 8201-8202;; V2;; 81..
Sync 8203-8204;; V2;; 82..
Don:..
Thanks for the check, but
library loans are handled by
Sincink so checks should be
made out to Sincink. We will
try to work it out with
American Micro Connection..
In answer to your question about
Sincink on disk; Sincink is
created on a QL and is
presently available on QL
disk..
We are very close to reliably
reading and writing an
MS(PC)-DOS disk on the QL..
It appears to us that the most
reasonable way to have a COMMON
disk format is for everyone to
be able to read and write an
MS(PC)-DOS disk..
You might concentrate on seeing
if this is possible on the
Larken. We have a document that
describes the organization of
an MS(PC)-DOS disk. We hope to
publish it in Sincink when we
can relate it a little more
closely to Sinclair disk
systems..
We have inclosed the Sync's you
requested. Please return them
within 30days of the postmark
date to avoid subscription/
deposit deductions...

8 881230/Library Return from:
Maurice O'Callaghan: TS1000
User Manual..
Maurice:..
Thanks for the return. We have
enclosed a Sincink check for
\$10.95 for your deposit..
8 881230/Newsletter Exchange:
NITE TIMES MENS, 8pages..
Page. Description (Filename,
BYTES)..
2. TS-2068 Home ROM Bypass
(BYPASS.TXT?, 11329?)..
Fig 1: Home ROM Bypass
(BYPASS1.CUT?, 82271?)..
Gary:..
We are trying to set up a
newsletter exchange on disk. Is
NITE TIMES MENS available on
disk? We suspect we have 2 of
the files already (although we
haven't figured out how to
print out the BYPASS.CUT file
on the QL yet)..
Also, is there any possibility
you might have the XMODEM,
YMODEM & ZMODEM definition
files as mentioned in the
881203.1634 record. If you do,
could we get a copy somehow?...

8 881230.1500/Call from: Victor
Kwasnikow; 415-364-8431; 1733
Hempstead Place; Redwood
City; CA; 94061.

8 881229/Newsletter Exchange:
the HACKER 8901, 12pages..
Page. Description..
2. 'The Cambridge Mystery Marvel
Machine' 'CNM' by: Chris
Fenn..
4. The Plotter N/L reports that
for a limited time, the
discounted price of 'the 288's
suggested retail price of
\$599.95' will be around
\$449.95..
6. 788 BBS;; Torrance Laptop
Support Group;; Phil Wheeler;;
1-213-370-2754, 8/1/N,
300/1200/2400..
7. 'Computer Industry Exhibiting
Few Major Changes in
Technology' COMDEX Report
reprinted from the Las Vegas
Review Journal of: Sunday,
Dec.19,1988..
8. TS2068 Adventure type game
listing (with bug, find the bug
and win a prize?) converted
from a Spectrum game from 'Your
SPECTRUM' 8807 by: Ralph
Hammer;; ACD?-649-4127;; 2105
Oakwood Ave.; North Las
Vegas;; NV;; 89030..
Steve:..
We have attached Sincink
8807-9. This should provide you
with a more or less complete 88
Sincink collection. Hopefully
we will be able to trade
newsletters by MS(PC)-DOS disk
in 1989...

8 881228/GUTS/SV Meeting;;
Attendees (3): Bill Miller;;
Mark Wahl;; Steve Nichols..
88 Bill brought the SLIX
Contacts and Exchange
Newsletters:..
888 sc8812 (42?)..
888 sx8812 (7?)..
888 sc8811 (32)..
888 sx8811 (6)...

Victor found out about us from
MicroTimes..
He reports he has a TS2068,
TS2020 Cassette Recorder, and
MAP 12in Green Screen Monitor
FOR SALE...

8 881229/Newsletter Exchange:
the HACKER 8901, 12pages..
Page. Description..
2. 'The Cambridge Mystery Marvel
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with a more or less complete 88
Sincink collection. Hopefully
we will be able to trade
newsletters by MS(PC)-DOS disk
in 1989...

8 881229.0922-.0941/Call from:
Chuck Marshall;; 317-773-5520;;
20040 Wagon Trail Drive;;
Moblesville;; IN;; 46060..
Chuck found out about us from
Computer Shopper..
He is looking for help in
attaching a BSR X-10 home
controller system to a TS1000
thru an interface made for a
Radio Shack Color Computer..
Chuck:..
After searching for about an
hour thru back issues of
TIMELINEZ, we found the article
(8504-5 page 117, by: John
Hancock;; 415-342-8457,,) on
attaching the TS1000 to the BSR
X-10 home controller system. As
you can see from the article
(attached) it does use the
Cassette Port just as you
described, so modification may
not be as hard as I suggested
to you..
It looks like the designer is
probably the same as the dealer
who sold it for \$69.95: Chuck
Goldwater;; 415-449-2061;; 714
Wimbledon Lane;; Livermore;;
CA;; 94550..
He can probably provide the
information on converting it to
work with the TS1000..
If you could send us \$2.00 for
the Newsletters, it would help
out. If you can't afford it,
don't worry about it..
It would also help if you could
keep us informed of your
progress..
Good Luck!...

8 881228/GUTS/SV Meeting;;
Attendees (3): Bill Miller;;
Mark Wahl;; Steve Nichols..
88 Bill brought the SLIX
Contacts and Exchange
Newsletters:..
888 sc8812 (42?)..
888 sx8812 (7?)..
888 sc8811 (32)..
888 sx8811 (6)...

Mark demoed his QL Network Software and Christmas Scene Software (both under development)...
He also brought:...

PDSE Tech-Notes, Excerpt from PDSE Library File (6pages): WXM00EN.ARC;; TOPIC: XMODEM COMMUNICATIONS PROTOCOL & EXTENSIONS...

'How to Use USENET Effectively' (12pages) by: Matt Bishop;; Research Institute for Advanced Computer Science;; Mail Stop 230-S;; NASA Ames Research Center;; Moffett Field;; CA;; 94035, \$1.15 from most University Book Stores...

'How to Read the Network News' (13pages + 9pages 'LOCAL') by: Mark R. Horton (Revised by: Rick Adams for 2.10.3);; AT&T Bell Laboratories;; Coluabus;; OH;; 43213, \$2.15 from most University Book Stores...

Steve reported on progress on his Experimental BBS...

881228/TSEBZUG Meeting?..

881228/Note to: TS Bulletin;; Bill Harner..

Bill...
As you can see from the messages to the other Newsletter Exchange folks, we are trying to set up a newsletter exchange on disk. Is there any possibility we can exchange newsletters in some COMMON disk format (like those mentioned on page 1 of the attached Sincink 8812)?..

881228/Note to: VISTA_NL;; Tony Willing..

Tony...
We are trying to organize a newsletter exchange on disk. Is there any possibility that we could come up with a STANDARD disk format that we could both read and write? Like MS(PC)-DOS 5.25in or 3.5in; 360K or 720K?..

881228/Note to: Tim Ward..

Tim...
We have enclosed a SASE for a list of your TS1000 Public Domain Library Programs available on 60min cassette tape...

Do you or Tony Willing plan on making them available on disk? If so, what disk format do you intend to use? Is there any possibility we could standadize on MS(PC)-DOS 360K or 720K 5.25in or 3.5in?..

881228/Newsletter Exchange: Pixel Print Prs 88mnt, 16pages;; Pixel Print Press, c/o Leake Software Development;; Stan Leake;; ACD-TEL-NUMB?;; Publisher;; 2144 White Oak;; Wichita;; KS;; 67207..

Other Contacts: Bill Ferrebee, MOUNTAINEER SOFTWARE;; ACD-TEL-NUMB?;; Editor;; 749 Mill Street 86;; Parkersburg;; WV;; 26104..

Bill urges us to send petitions to him urging Graham Taylor (Editor of Sinclair User), Alan Sugar (of Amstrad) and UK Software Companies to support TS Computers..

Stan has an article on printing Bit Image Graphics with a listing for a TS2068 BASIC Bit Image Graphics Printer Driver..
Tim Ward;; 206-584-0339;; 5142-D Sinko Drive SW;; Tacoma;; WA;; 98439, reports he and Tony

Willing have collected a TS Public Domain Library with over 350 programs for TS1000 and TS2068 Computers. They have (5) 60minute tapes for the TS1000 available for \$4.00 from Tim. For a list, send a SASE to Tim..

The O.E.C. BBS, 614-423-7879, has a TS SIG and TS Public Domain Software in section (D) of the (Files) area..

The Library contains the following files:..

File Name	Program Name	Len.
TSPD1.BAS	Sound Effects	4007
TSPD2.BAS	Caloriburn	3930
TSPD3.BAS	Multifile	7011
TSPD4.BAS	Metric	3882
TSPD5.BAS	MC-MOVE	2726
TSPD6.BAS	Assembler	9993
TSPD7.BAS	Disassembler	9587
TSPD8.BAS	Copycat	589
TSPD9.BAS	Multitape	4369
TSPD10.BAS	Binary	1796
TSPD11.BAS	Phone Directory	1535
TSPD12.BAS	Cassette Label	2416
TSPD13.BAS	Headscan	1229
TSPD14.BAS	Scanner	1247
TSPD15.BAS	Videofile	5362

..

Stans..

Thanks for the info. We might be able to store all of Pixel Print Press in the SLIX Permanent Data Base if it is available on disk. Is it available as an ASCII file on MS(PC)-DOS disk?..

Can we exchange Newsletters by disk?..

See the attached sn8812 page 1 for convenient disk formats...

881228.1011/Letter from: Bob Kuster..

Most of the time the US Mail Service (Post Office) catches a lot of flak, but this time they delivered the information less than 14hrs after it was requested! And all for \$0.25!..

Bob incloses a list of files he has succeeded in transferring from the User Group Library Cassettes to JLD Disk:...

JLD SAFE V2.52 (c)1988, J.Oliger

..

DISK NAME: TSSVU-LIB3.
FORMATTED 80 TRACKS, 2 SIDE(S)
CAPACITY: 159 CYLS/795K BYTES
FREE: 80 CYLS/400K BYTES...

FILENAME	TYPE	CYLS	SIZE	START
MENUE	BASIC	2	5214	1
golf	STATE	10	49664	
JD-DRIVER	STATE	10	49664	
FREEMAY	STATE	10	49664	
3D-OLX	BASIC	2	8745	1
BUGABOO	STATE	10	49664	
TS	BASIC	1	4740	10
dragg	BASIC	3	14272	10
glow worm	BASIC	3	14820	4
monitor	BASIC	5	24707	5
DIS	BASIC	3	13413	5
textaan	STATE	10	49664	
trscer	BASIC	2	8537	999
QL	BASIC	1	4463	1
las vegas	BASIC	2	9652	10
JD GRAPH	BASIC	1	2532	1
CALCULATOR	BASIC	2	7095	10
KEYWORD	BASIC	1	3815	
HEADERS	BASIC	1	3052	4

..

DISK NAME: TSSVU-LIB2.
FORMATTED 80 TRACKS, 2 SIDE(S)
CAPACITY: 159 CYLS/795K BYTES
FREE: 81 CYLS/405K BYTES...

FILENAME	TYPE	CYLS	SIZE	START
MENUE	BASIC	2	5214	1
casino	STATE	10	49664	

cbs	STATE	10	49664	
vu-calc	STATE	10	49664	
vu-file	STATE	10	49664	
auto	STATE	10	49664	
chk	BASIC	7	35596	1
budgeter	STATE	10	49664	
spell1	BASIC	3	10373	1
spell2	BASIC	3	10256	1
XMSLBS	BASIC	3	12602	10

..

TOTAL FILES: 11...

DISK NAME: TSSVU-LIB1
FORMATTED 80 TRACKS, 2 SIDE(S)
CAPACITY: 159 CYLS/795K BYTES

FILENAME	TYPE	CYLS	SIZE	START
MENUE	BASIC	2	5214	1
DRAW	STATE	10	49664	
golf	BASIC	2	7964	5
androids	STATE	10	49664	
DEN	STATE	10	49664	
PTR-LONG	STATE	10	49664	
PTR-SHORT	STATE	10	49664	
as5t	STATE	10	49664	
as5a	STATE	10	49664	

..

TOTAL FILES: 9...

Bobs..

Thanks for the list..

It appears some of the programs may be Commercial and can not be distributed on the User Group ShareWare Disk..

It also appears that some of the programs saved as 'STATE' could be saved in a shorter form as 'BASIC'..

We can probably get all the ShareWare on one JLD TS2068 '(SLIX (S)inc(L)ink (I)formation E(x)change) (S)hareWare' Disk..

Did cleaning the connectors (or at least unplugging them and plugging them back in) help your disk drive problems?..

881227/Newsletter Exchange: SMUG BYTES 8812, 8 pages;; Sinclair Milwaukee Users Group;; Bill Heberlein;; 414-527-2191;; Editor;; 5052 N. 91st Street;; Milwaukee;; WI;; 53225..

Bill reports he received this notice from the United States Bankruptcy Court:..

'Mr. Tomei, Jr. has applied for bankruptcy and will be free of debt after February 6, 1989. He lists his assets as .01 cent and his debts as \$61,933.05 dollars'..

It looks like the last three QL's ordered by SMUG members from Quantum Computing in December of 1987 will never arrive..

At the Cleveland fest Bill found out there were others waiting for merchandise and larger amounts. If anyone else has a claim contact:..

Jonathan Kohn;; -;; 1180 Raymond Blvd;; Newark;; NJ;; 07102-4107..

Bill..

Thanks for the information on Quantum Computing. They sure put out a nice catalog. To bad some of their stuff was 'Vapor Ware'..

We are trying to organize a Newsletter Exchange on Disk.. Is SMUG BYTES available on QL disk?..

Can we exchange? See Sincink 8812 page 1 for preferred disk formats...

881227/Letter from: John McMichael (880817);; ACD-TEL-NUMB?;; 1710 Palmer Drive;; Laramie;; WY;; 82070.. John incloses \$1 for a sample

newsletter and info regarding the Sinclair ShareWare Disk File Exchange as advertised in the Sept./Oct. issue of TimeDesigns..

John has an Oliger Disk System w/5.25in drive (DSDD)..

John:..

Thanks for the inquiry and the \$1. As you can see from the attached Sincink 8807-9 page 8, our ShareWare files have been available on QL disk..

An 881227.1625 call to: Bob Kuster revealed he has succeeded in getting about 38 TS2068 files on (3) JLD disks. He has promised to mail a list of them to me tomorrow and the list should be in this file in time for Sincink 8901..

The object of this whole EXCHANGE concept is for Sinclair Computer Users to exchange Sinclair Information (Programs and Text Files) in STANDARD disk format..

We expect this format to be MS(PC)-DOS 360K, or 720K; 5.25in or 3.5in. A little inquiry from you to John

iger, as to the feasibility of this on the JLD system would help the project along..

Are your drives 40 or 80 cylinder (track per side)?..

Can you send us a list of files you have to exchange?..

We will send you our JLD TS2068 list as soon as we get it from Bob Kuster and we receive your list..

Hope this answers your question..

We have marked your 880817/Catalog Sheet item in Sincink 8807-9 page 10..

Glad to see you got your TimeDesigns 8809-10. We haven't got ours yet...

881227.1400/Call from: Norman Owens;; 313-526-6639;; 11440 Nashville;; Detroit;; MI;; 48205..

Norm found out about us from Computer Shopper 8810. He bought a TS1500 with 16K RAMpack, MODEM and printer at the Indianapolis? Computer Fest..

He is interested in a Stringy Floppy (A&J Microdrive) for his TS1500..

We suggested:..

A&J Assembly;; 408-281-0100..

Do any of our readers have a spare TS1000/1500 Stringy Floppy for sale?..

Borrowing one from the SLIX Library (to at least see what they are like)..

Norm:..

We checked thru our Hardware Library, and we still have ONE TS1000/1500 Stringy Floppy available for \$149.50 + \$5.00 Shipping and Handling..

Sincink Subscribers may take a \$19.95 User Group Discount to bring the total price to:..

TS1000/1500 Stringy Floppy Starter Kit. Includes: Interface, Drive, Expansion Card Edge, Owner's Manual, 5 A&J Micro Wafer, Wafer Organizer

.....\$149.50
Sincink Subscription\$15.00
Shipping & Handling\$5.00
Sub-Total\$169.50
Minus User Group Discount \$19.75
Total\$149.75

Make check payable to:.. Sincink..

Mail to:
SinLink..
c/o Bill Miller, 408-253-3175..
6675 Clifford Drive..
Cupertino, CA 95014-4530..
You can also check a Stringy
Floppy out of the Hardware
Library for the same price, but
the \$129.75 Stringy Floppy
Deposit is refundable upon
return of the Stringy Floppy in
good condition..
You may also want to contact:
BATSX (Detroit Area Times
Sinclair Users); Barry Carter;;
ACD-TEL-NUMB?;; P.O.Box 614;;
Warren;; MI;; 48090..
Hope this helps...

881224.1726/Call from: Mark
Wahl..
Mark reports there is now a 'RL
Times' message base (message
base 17) on the LogOn/SV BBS
(408-745-0880) in addition to
the TS Directory (Directory
50)...

881224/Newsletter Exchange:
KATS_KNEWS 88122, 2 pages;;
Kansas Area Times Sinclair
Users Group;; Randy Cummings;;
316-733-0242;; Editor;; 124 W.
10th;; Andover;; KS;; 67002;;
USA..
Randy Cummings says:..

'I need information on how to
successfully get the TS2050
MODEM to answer the phone
without the aid of MTERM II. I
have tried reading ports 115
and 119 and then getting
someone to call. The phone
rings, but neither of these
ports seem to do anything. I
also tried to initialize the
8251 chip in the MODEM by doing
some OUTs which I got from the
December issue of the Capital
Area Times Sinclair Users Group
newsletter, but they didn't
seem to help. My MODEM WILL
answer the phone from MTERM II.
If you have any information
that will help please send it
to the return address on this
newsletter.' (Address above)..
Can anyone help?..

Randy:..
Mark Wahl suggests looking at
'Tiny Board' for hints on how
to get the TS2050 to answer the
phone. If you don't have a
copy, we can probably send you
a listing..
Can we exchange newsletters on
disk? See the attached SinLink
8812 page 1 for preferred disk
formats...

881224/TCN TS SIG Meeting;;
Attendees (2): Mark Wahl;;
Bill Miller..
881220.1321-.1345/Call from:
Gerry Richman;; ACD-TEL-NUMB?;;
234 Lower Walden Road;; Carmel
Highlands;; CA;; 93923..
Gerry found out about us from:
Times? in San Jose..
He purchased a TS1000 for \$7
(marked down from \$15) from
Safeway. He intends to give it
to a Spanish speaking
acquaintance to learn about
computers. He is looking for
sources of hardware and
software. Gerry also has an
IBM-PC..
Gerry:..
Thanks for your interest. We
have marked some TS Vendors in
this document (sc8812) and in
the attached SinLink 8812..
Tell your friend not to hesitate
to contact us for help..
Hope this helps...

881219/Note to: Dave Bennett
(sc8670406);; HATS_ML;;
Newsletter Exchange..
Dave:..
We apologize for taking so long
to answer your 880606 answer to
our request for a list of HATS
Shareware files..
As you can see from the attached
SinLink 8807-9, we intended to
answer you in June, but that
part of SinLink never got into
the Newsletter Exchange..
We notice from the HATS_ML 8812
that we saw at the 881218 TSPUG
Meeting that you have QL 5.25in
DSDD Disk Drive(s)..
We are interested in exchanging
newsletters on disk. Is your
drive 720K (80 track)? Is
HATS_ML available on disk?..
We suspect the 88-87 issues of
SinLink might all fit on one
720K disk. Can we exchange?..

881218/TSPUG Meeting;;
Attendees (12): Kevin Leung;;
Rex Lundgren;; Walt Johnson;;
Mark Wahl;; Bill Miller;;
George and Sonja Hockridge;;
Nora Leheldt;; Andy, Stephanie
and Christopher Wadesky;; &&
John Hancock..
Kevin reports his USENET
address is:
aacs:ucsfcca(cclaris,
killer)!wet!kkk..
He also says the 'wetware' BBS
(sc881120) (where he has his
USENET access) has (3)
telephone numbers:..

415-753-5265..
415-753-2668..
415-661-8311..
Rex says he doesn't have his
'Theatrical Light Controller'
done but he is already thinking
of QL projects such as:..
Serial to parallel
interface..
512K CMOS Static RAM board
and BUSS expander..
Fast Dynamic Ram
Modification..
1.44MB and 1.2MB disk
controller..
SCSI (Small Computer System
Interface) Controller..
Walt Johnson brought his new
288 (he bought one), and
borrowed 'Diconix' portable
inkjet? printer..
Mark Wahl brought (2) ESFC
QL's (one with Trump Card and
J.Sin Disk Drive) and
demonstrated his networking
software (under development)..
Bill brought the SLIX
Contacts and Exchange
Newsletters:..

sc8812 (287)..
sc8812 (57)..
sc8811 (32)..
sc8811 (6)..
George brought the TIMELINEZ
Exchange Newsletters (7):..
P
Newsletter Name Issue S Rcvd
ISTUG_ML 8811 4 7777
HATS_ML 8812 4 7777
The Plotter 8812 9p1130
TS Bulletin#4 8811 3 7777
QZX 8811 8p1118
LISTing 8811 12p1205
CATS_ML 8812 12p1206

More reports he is thinking
about buying an Asiga (but he
ordered a 288 at the meeting)..
Christopher Wadesky
(Birthdate: 881103) didn't cry
much at all at the meeting..
881218.1013-.1033/Call from
Steve Sawchuk..
Steve says he has investigated
sending us the Hacker as a text

file and it looks doable after
all..
He will send us a 360K
MS(PC)-DOS disk containing all
available Hacker Newsletter
text (h88bxpx.txt) files and
he will fill out the rest of
the disk with '.pub' files...

881217.1818-.1852/Call from:
Richard Matejovic (881024);;
614-263-0447..
Richard is looking for the USR
command for the TS1000
Byte-Back;; 803-532-5812?..
MODEM. Can anyone help?..

He also reports he got a
25.2VAC, 2AMP transformer (RS PN
273-1512A) at Radio Shack to
power his TS2040 printer..
He has been having troubles with
his TS1000 CAT Stringy floppy
which he suspects may be
connector corrosion. He plans
on rubbing mercury on them to
try to cure it. He has been
having 'Crashes' and strange
numbers (like 10240) in the
upper left corner of the
screen..
He added a tearing edge to his
TS2040 by cutting one off a
foil wrap box and 'Super
Gluing' it on..
He is interested in disk drives
for his TS1000. We suggested
contacting:..

Larken (Larry Kenny);;
613-835-2680..
Jim Horne..
VISTA (Tony Willing)...

881217/TCN TS SIG Meeting..
Topic: UNIX-MS(PC)-DOS Compared
by: Fred Waters and Dick
Delp...

881216.1631-.1720/Call from:
Don Lambert..
Don called to ask about
borrowing from the SLIX
Library: Sinc:..
DATECD V M PGS DZ DEP S&H
B203-04 V2, M2 52 5 2.95 2.00
B201-02 V2, M1 48 5 2.50 2.00
B111-12 V1, M6 52 5 2.50 2.00

Totals:..
SinLink Subscription (if not
currently a SinLink or
TIMELINEZ subscriber): 15.00
Deposits (refundable if
returned within 30days.
Otherwise 10% per month
deducted from deposit or
subscription): 7.95
SH 8.00
Total 28.95
Make check or money order
payable to:..
SinLink..
Mail to:..
SinLink..
c/o Bill Miller, 408-253-3175..
6675 Clifford Drive..
Cupertino, CA 95014-4530..
Don also reports our 881107 Ray
Youngberg record had the
incorrect telephone number. It
should have been:
513-890-4378..
Don retired from his job as a
sheetmetal/ mechanical
inspector with Collins Radio in
8801..
He gave us a list of his TS
inventory:..

ZXB0 (2)..
TS1000/ZXB1 (several)..
PCB300 (2)..
108300 (1)..
TS2068 (3)..
TS1500 (2)..
Word Processors:..
TS1000:..
Masterscribe..
HaoText..
881215/Newsletter Exchange:
PACC TALK 88122 (pages: 8);;
Duane Ellis;; 4127-367-7549
(home), 4127-261-9030 (work);;
Editor;; 1120 Nineteen North
Apt 87;; Pittsburgh;; PA;;
15237;; USA..
Page 2 has an interesting
article about the NeIT computer
by: Duane Ellis..
Duane:..
Your NeIT article is very
interesting. Is it available on
disk so we could add it to the
SLIX Permanent Data Base?..
Perhaps we could exchange
Newsletters on disk?..
What is a convenient format for
you?..
Convenient formats for us are
listed on page 1 of the
attached SinLink 8812...

TS2068:..
M-Script..
Tasword..
Don:..
It was good talking to you. If
the Magazine SH charges seem a
little high, we can investigate
reducing them by reducing the
weight thru half size
reproductions...

881216.1327-.1400/Call from:
Steve Sawchuk..
Steve reports he puts out
the HACKER on a handy SI1000
MS(PC)-DOS machine using the
PFS 'First Publisher' Version 2
program. He suspects all the
'Pages' are
bit-mapped-graphics, with no
possibility of exporting or
converting to an ASCII file..
He 'prints' about 60 copies of
the HACKER on his printer and
gets about 60 'pages' per
ribbon. He has (10) ribbons
which he reinks using a \$67.95
reinker from: PBM Industries;;
1-800-621-5640..
He also says they exchange with
about 29 other User Groups and
would like to find more..
Steve:..
It was good talking to you. We
have attached a printout of
sx88, the SinLink Newsletter
Exchange file listing all
exchange newsletters received
during 1988..
Hope this helps...

881215/Newsletter Exchange:
PACC TALK 88122 (pages: 8);;
Duane Ellis;; 4127-367-7549
(home), 4127-261-9030 (work);;
Editor;; 1120 Nineteen North
Apt 87;; Pittsburgh;; PA;;
15237;; USA..
Page 2 has an interesting
article about the NeIT computer
by: Duane Ellis..
Duane:..
Your NeIT article is very
interesting. Is it available on
disk so we could add it to the
SLIX Permanent Data Base?..
Perhaps we could exchange
Newsletters on disk?..
What is a convenient format for
you?..
Convenient formats for us are
listed on page 1 of the
attached SinLink 8812...

881215/Letter from: CATS;;
John Riley;; 404-834-7356;;
TS2068 Software Librarian;; 120
N. Fairlawn Dr.;; Carrollton;;
GA;; 30117..
John says he has been CATS
TS2068 Librarian for the last 2
years and has amassed 188
public domain programs
available on cassette, Larken
Disk, and Aerco Dos
availability in the works..
John would like to increase his
library by swapping..
He would prefer to deal with
groups rather than individuals
if possible, because it
lightens his correspondence and
shipping load..
Can anyone help?..
John:..
Thanks for your offer. Bob
Kuster;; 408-842-3477, is in
the process of transferring our
TS2068 Shareware Library to
disk. Unfortunately, it is in
JLD format. Can you read JLD
disks?..
Perhaps one of our other members
with Larken or Aerco could
contact you and act as our
TS2068 Larken or Aerco
librarian..
To bad we can't have ONE disk

format..
Bob is making a list of our TS2068 ShareWare Library. Perhaps he can send you the list when he gets it done so you won't have to exchange files that are the SAME.. Hope this helps...

881214.1433-1458/Call from: Donald Swink; 619-745-4314; 145 West Felicita, Apt. 84; Escondido; CA; 92025..
Don found out about us from: Computer Shopper and is a Sonar Technician in the Navy. He is looking for help in getting his ZX Microdrive System to work with his Spectrum+, or TS2068. His Spectrum+ needs repair and he is looking for someone (possibly in England) to repair it..

Don also has a PC Clone and a Laptop..
For a 'Twister Board' or 'Rainbow' interface to allow the ZX Microdrive System to be used with the TS2068, we suggested TS Vendors: 88 RAG; 503-635-7484.. 88 WJ; 516-543-5252.. 88 Ed Gray Enterprises; 213-759-7406..

88 Knighted Computers; ACD-TEL-NUMB?; 803 S. 4th Street Fulton; NY; 13069.. 88 Wes Brzozowski; c/o SINCUS NEWS..
Don had already tried and not had any luck with TS Vendors: 88 Curry Computer; 1-602-978-2902.. 88 Zebra Systems; 718-296-2385.. 88 TS Services; Cincinnati; OH..

For info on Spectrum Repairs, we suggested: 88 Dan Elliot; 314-739-1712.. 88 CATS; Vernon Smith; 703-978-1835.. 88 LIST; Joe Newman; 201-527-0535.. 88 Time Designs Magazine; 503-824-2658.. 88 UPDATE Magazine; 904-871-4513..

Don..
We have enclosed a printout of the 'sx88' file with addresses of other TS User Groups.. Hope this helps...

881213.1539/Call from: Jeff Terry; 408-734-1604..
Jeff found out about us from the San Jose Mercury News. He reports he has: FOR SALE: ZX81 with 16K RAMpack..

881210/Newsletter Exchange: ISTUG NL 8811 (7)pages page 2: Software Library Exchange?.. Frank..

Perhaps we could exchange Newsletters on disk (with programs contained in the Newsletters as ASCII files)?.. We suspect we can get all of Sincink 88-87 (2 years) on one 720K 3.5in or 5.25in QL floppy disk. Is this a convenient format for you?..

We are working on a program (Called 'ESF Concepts MENU') to make searching all this information very easy..

881210/TCM TS SIG Meeting.. Attendees (7): Dick Delp, Howard Lebowitz, Bill Baker, Bill Miller, Carl Linden, Meran Griffin, Forrest Mettinger..

Topics: PDSE, LogOn, Exatron, DMA, Desqview 386 and Bournouli Disks, & 'Quad Density'..

From: Dick Delp: 'Information Helpful In Writing Diskettes To Be Read By MS-DOS Machines' on: 5.25in 360K Disk; 3.5in 720K Disk; (9) page printout...

881209/Newsletter exchange: ZX-Appeal 8811-12 page 2: Harvey (Taylor? (880317)) discussed the SCSI (for the QL?) project he is involved in ... via E-mail with a fellow from California. ETA: (1) year..

Harvey:..
A QL SCSI is just what SLIX has been looking for..
We have been hearing rumors of 20-50MB 3.5in 'Floptical' drives which will read and write regular 3.5in diskettes as well..

They are alleged to be available in 1st Quarter 1989. With a year or two to figure out which one will be 'standard', this seems to fit in pretty well with your schedule..

Mark Wahl has been investigating a sub-directory QL file system based on UNIX, MINIX, and GNU. Maybe this would help your project..

SLIX has also been investigating a Keyword Table based Search system for the QL for File Systems up to 4 GigaBytes.. We will try to keep you informed of our progress. Perhaps you could do the same...

881209/Letter from: Ozer A. Deslauriers; ACD-TEL-NUMB?; 326 McBean Street; Thunder Bay; ONT.; P7B 4L1; Canada..
Ozer says that for the past 7 years he has had a 'Timex ZX81' to which he has added the TS1016 RAMpack and TS2040 printer, a system which he has enjoyed very much..
About a year ago Ozer read in a magazine about a software program called 'Data Base Management (Filepro 16)' which can be used with his Timex.. Ozer would like Source and Cost information about this program..

Ozer..
We are unfamiliar with the program. Perhaps some of our other readers can help?..
You might also try: Bill Harner of the Ottawa-Mull TS User Group; Tony Willing of VISTA (both earked on the attached sx88 printout) or Jim Horne (earked in the sc881201 record). All these folks are ZX81- TS1000 specialists.. Hope this helps...

881209/Note to Andy Hradesky.. Andy:..
Attached are (2) double size Sincink 8812 for paste-up into TIMELINE2 8812..
Also included is the Sincink Article: ss88915a, 'HOW TO MAKE YOUR TIMEX SINCLAIR COMPUTER COMPATIBLE WITH... (The World)', (also double size) in case you need some more material...

881208/Disk from: WIDJUP Co. (Bill Pedersen). 5.25in, 40cylinder, 2heads, 9sector/track Disk Marked: 'Article, Memory Improves With Age, DSDO 9 Sector/Track, IBM Format, File (to) Epson Printer'..
dir B: widjup_0013..

apdx a txt 3761 881028.0745
bypass txt 11329 880102.0736

monitor txt 2967 880102.0745
bypass1 cut 82271 881204.0242
bypass2a cut 80330 881204.0245
bypass2b cut 73670 881204.0247
bypass2c cut 76611 881204.0249
monitor1 cut 10227 881204.0324
read me 1189 881204.0405
mega.16 txt 15470 881028.0742
10 file(s) 0 bytes free

Bill..
Thanks for the info. So far all we have done is read the directory on our MS(PC)-DOS Osborne 3 and print the files..
881216.09??; b:read.me..
881216.1010; b:apdx.txt..
881216.1036; b:monitor.txt..
881216.1041; b:mega.16.txt..
The disk got creased pretty well in the mail, but we can probably read it anyway..
We will try to index it and add it to our Permanent Data Base...

881208/Letter from: Maurice O'Callaghan; ACD-TEL-NUMB?; POB 1106; Ft. Bidwell; CA; 96112..

Maurice incloses a check to Sincink for \$27.95 for: 88 Sincink Subscription \$15.00 88 TS1000 Manual deposit \$10.95 88 Shipping & Handling \$2.00

Maurice:..
Thanks for the check. Hope the Manual (earked: '880228; loaded to SLIX; by: Don Moser..') helps out. Please return it within 30 days to avoid deposit deductions...

881207/PC UNIX SIG Meeting.. Handouts: (14).. Pages: (1000+)...

881205/CATS TS CAPITALFEST 890505-09 Notice from: Capital Area TS Users; c/o? Mrs. Audrey G. Curnutt; ACD-TEL-NUMB?; Position?; 10400 Truxton Rd.; Adelphi; MD; 20783..
'Dear Timex Sinclair Enthusiast:..
We would like to take this opportunity to invite you to attend the upcoming Capital Area Timex/ Sinclair Capitalfest on May 6 and 7, 1989. Banquet Friday night, May 5, 1989..

Fest to be held at the Howard Johnson Inn, Route 450 and The Beltway (East Side), New Carrollton, MD. ..
Howard Johnson's is conveniently located for easy access by road, subway (New Carrollton, MD. stop), Antrak from New York and Boston to the North and all points South, and by air into Washington National and Baltimore- Washington International..

CATS, our Users Group, currently with over 100 members will be hosting this affair..
Sharp's, Zebra, and many other vendors will be sponsoring and attending..
Seminars, Door Prizes, and Many Surprises await you..
This CapitalFest will be fully advertised with thousands of flyers being sent all over the country..

Hotel room rate is \$62.00 a night along with one free admission to show..
Banquet, Friday night will run around \$17.00..
Tables will be \$25.00 each..
If you are interested in more information, please let us

know..
Get the details:.....
Love to have you at the fest..
C.A.T.S. CapitalFest; 301-439-8756; P.O.Box 24; Garrett Park; MD; 20896-0024...

881203.1634/Call to: Steve Nichols about: using his experimental BBS as a SLIX Remote File System..
Steve says one of the problems is that he needs an X-MODEM Protocol Definition File by: Ward Christiansen, and the Y-MODEM and Z-MODEM Protocol Definition File(s) by: Chuck Forsberg..

We suspect sources to try are:.. 88 Keith Felix.. 88 Ed Gray.. 88 Pete Fischer..

88 PDSE File in Mark Wahl's QL Development Manual.. 88 X-MODEM BASIC Coma. Program from: Amiga Fred Fish Disks.. 88 Gary Lessenberry.. 88 881203.1735/Call to: Keith Felix..

Keith reports the X-MODEM and Y-MODEM Definitions he knew about were on CompuServe and he never got around to downloading them..

He will keep us informed on his progress in downloading them and we will keep him informed of progress with other sources..

Keith also reports the Southbay TI User Group BBS 408-258-3679, operates with:.. (4) 80track 719K disk drives.. (2) disks for uploads and downloads..

(1) disk for the BBS Program.. (1) disk for messages..
The BBS is temporarily down while it is being moved...

881203/Letter from: Donald Lambert..
Don says he got the back issues of TIMELINE2 in September and now that he is back from Japan, he would like to know the price of the back issues of Sincink and BAZUG as listed in the sc880903 record..

Don reports he is in the process of getting a Larken disk system for his TS2068 and is interested in the availability of Sincink and BAZUG issues on disk..

Don:..
Thanks for your interest in TS History. We have looked thru our back issues of Sincink and BAZUG and we don't seem to have any extra copies (except for 1988)...

We really don't want to encourage people to order issues that we have to go to Copy Mart to copy, so we will set a price for these issues of:..

88 \$0.25 per 8.5 x 11 copy.. 88 \$0.30 per 8.5 x 14 copy..
Sincink 8206 to 8306 is 1 page per 8.5 x 11 copy..
Sincink 8410 to present is 2 pages per 8.5 x 11 copy..
BAZUG 8209 is 1 page per 8.5 x 11 copy..
BAZUG 8301, 2, & 3 is 1 page per 8.5 x 14 copy..

What we would prefer is for someone to index or enter the contents of these newsletters into an ASCII file in some format we can read (see the attached Sincink 8812 for preferred disk formats) so we can have them in our Permanent Data Base. We will provide

copies FREE for that purpose.. We have attached BAZUG B209, & SinLink B206, B410, B502 & B504 to give you a 'Flavor' of what they are like.. Hope this answers your question...

881203/TCM TS SIG Meeting.. Attendance: 7167; Topics: MS(IPC)-DOS Program Reviews by: Howard Lebowitz; 88 'The Solver' 8100 from: Fry; Handouts: (10) pages.. 88 '2' 67 from: ?; Handouts: (7) pages...

881202/Newsletter Exchange: the HACKER 8812 (10) pages.. Steve: Can we exchange Newsletters on disk?.. QL 3.5in or 5.25in 720K is a convenient format for us.. What is a convenient format for you?...

881202/Newsletter Exchange: NITE-TIMES NEWS 8811 page 4: 'EPROMS Are Alive And Well And Living In Redwood City'.. Gary:..

It looks like you retyped this in. We wonder if this is available on QL disk. If it is, could we exchange a disk with SinLink on it for a disk with NITE-TIMES NEWS on it to add to our SLIX Permanent Data Base?.. The most convenient format for us is QL 3.5in or 5.25in 720K.. What is most convenient for you?.. We suspect we can get SinLink 88-87 on one 720K disk if we can figure out a disk format we both can use...

881202/Letter from: Paul Siu; 215-461-8848; 53 Mernont Circle; Darby; PA; 19023.. Paul encloses a SASE. Thanks Paul!.. He found out about us from Compute! 8811.. Paul says he has had a TS1000 for a number of years, but that it is down in the cellar gathering dust, because the power plug wore out and he lost the rubber feet off it so now it has the dreaded 'RAMpack wobble'..

He would like to know: 88 How to repair the power jack? Can it be replaced with a Radio Shack equivalent?.. 88 How to attach a Coleco Adam keyboard.. 88 Does anyone know about Bill Bell's disk drive project?.. 88 What is Tim Stoddard's address to get his 64K non-volatile RAM board.. 88 Where to find Hardware/Software.. 88 Some information on our group and how to join..

Paul:.. To solve the TS1000 power jack problem, you might consider wiring in an on-off switch, since unplugging it to turn it off may have worn it out in the first place..

We don't have any readily available information on the Coleco keyboard or Bill Bell disk drive. Can any of our other readers help?.. Tim Stoddard's address is listed in the attached '881107/Letter from: Jesse L. Peeler' record.. Back issues of SinLink and TIMELINE2 are a good place to find sources of Hardware/Software. TIMELINE2 B412 has an index to previous issues. You may wish to order it first.

Information about our group is in the attached SinLink 8810-11.. Back issues are \$1.00 each.. Make check or money order payable to:.. SinLink.. Mail to:.. SinLink.. c/o Bill Miller, 408-253-3175.. 6675 Clifford Drive.. Cupertino, CA 95014-4530.. To add a better file system to the TS1000, we have been working on an RS-232 project to use another computer as a file server for the TS1000. What other computers do you have (with RS-232 ports and Disk drives) that you could use for this?.. Hope this helps...

881201.2030/Call from: Stan; 415-323-3430.. Stan has a TS2068 and TS2040 Printer FOR SALE for about \$20?..

He also has a VIC20 and Data Recorder FOR SALE...

881201/Letter from: Jess Peeler; Computers, Etc.; Costa Rica.. Jess encloses a SASE. Thanks!!.. Jess says we came through magnificently- promptly and with the exact information that he was searching for.. He has (4) New Questions:.. (1) Any info on Weyail's hi-res program 'THRUST'?.. (2) Any info on Fred Nachbaur's high resolution for the TS1000- his address?.. (3) Info on the ZX-LRB ROM for hi-speed cassette access?.. (4) Mike Furan's address and a copy of his TS1000 RS-232 Schematics?..

He also tried the modification from: QX1 ML Bits and Bytes 8115 (SinLink 8807-9 page 9).. It worked alright, but what is it for? Can anyone answer?.. Jess passes on a TS1000 modification which he believes is very necessary and which he puts into all ZX81/ TS1000 computers which pass thru his shop:

ZX81/ TS1000 ULA HEAT SINK PROTECTION.. From: Computers, Etc.; Jess Peeler; ACD-TEL-MUMB?; Proprietor?; Apdo 186- Escazu 1250; Costa Rica; Centroamerica; .. There are four (4) Integrated Circuits in the ZX81/ TS1000 basic computer as originally designed. (Five, if you happen to have an early ZX81 which used 2 ea. 1K x 4 2114s to produce the 1K x 8 RAM).. The Static RAM chips almost never burn out. They are very reliable..

The ROM chips are also highly reliable- hardly ever need to be replaced.. The Z80A CPU does burn out, but not often. Happily, this is a very common, readily available and cheap chip to purchase- available for \$1.50- \$2.00 now.. So we come to the last chip, IC-1, the Ferranti ULA chip. This is a DELICATE chip and DOES burn out- often! It needs to be heat- sunked. Whereas the other three I.C.s can be replaced (One could even burn an EPROM for a new ROM), if you lose your Ferranti ULA, you can probably obtain a replacement

only by the purchase of another discarded TS1000- and that 'discard' may have a burned ULA too, so watch out.. For heat sinking, the best answer is to purchase heat sink radiators and heat- conductive epoxy adhesive. I extract the chip myself, but one could do the process by leaving the chip in place - thoroughly mix enough epoxy to coat both the I.C. and the heat sink. Carefully spread a thin layer on the top surface of the I.C. and the bottom surface of the heat sink. Then press the two surfaces together- you can put a small weight or clamp of some nature to keep the two in contact- then leave 'em alone for 24 hours! If you did remove the chip, plug it back into the socket now. WARNING: Mark the top end (pins 1 and 40) with some form of identification- fingernail polish works just fine- BEFORE gluing the heat sink on. If you don't, you could plug the ULA in upside down and it's GUARANTEED TO BURN UP the instant you turn on the computer..

Heat Sinks: 88 1983 Allied Catalog; Mfr. type 5087B.. 88 1986 Newark Catalog; EG-6 Wakefield Engr. type 652-7AD.. Thermally- Conductive Adhesives: 88 Something like Delta Bond 152..

Jess:.. Thanks for your information. To bad we can't exchange information by disk so I don't have to type it into our Data Base..

We don't have any readily available information on the Weyail 'THRUST' program or ZX-LRB. It seems we read somewhere that Weyail is no longer supporting it's TS products. Can anyone else help?..

880903/VISTA ML V2N5 page 2 reports: 'Fred (Nachbaur) accepted a job offer in Ottawa, thus moving and turning over the marketing of his TS1000 goods' to: TS Vendors: Insomniac Electronics, No.3; Jia Horne; 604-438-5739; Proprietor?; 3050 Kingsway; Vancouver; B.C.; V5R 5J7; Canada.. 'Fred suggests we write and support Jim, as he is a 'rare bird' in our world-- a NEW TS Dealer'..

Folks who want to keep track of Mike Furan's progress on his projects can read SinLink or contact Mike directly at: LogOn/SV BBS; 408-745-0880.. We will pass any questions on to him through the Newsletter.. Hope this helps. Keep in touch...

881201/Letter from: Mitch McKibbin; 619-292-7611 (home); 2036 Finch Lane; San Diego; CA; 92123.. Mitch encloses a SASE. Thanks!..

Mitch says he is currently writing an article about: 'Disposing of Used Computers'.. He asks:..

88 Do we have any ideas or suggestions about this subject?.. 88 Who to contact?.. 88 What people do with 'old' computer equipment?.. 88 Other sources to contact?.. Any help would be appreciated..

Mitch:.. Thanks for your interest. We are curious as to how you found out about us? Computer Shopper?.. Since it can be kind of difficult to get rid of 'old' (obsolete?) computer equipment the most popular solutions seem to be:..

88 Start a computer museum.. 88 Give it to a friend.. 88 Try to sell it: 88 Thru a User Group: 888 Newsletter.. 888 Meeting.. 888 At a computer swap.. 888 Thru a newspaper ad.. 888 Thru a message on a BBS.. 88 Give it to a User Group.. As you can see in the attached SinLink 8810-11, we list items for sale as a service to our readers (even if the folks listing the items are not subscribers)..
A list of other TS User Groups is on page 7.. These thoughts probably aren't to original but maybe they will help.. Do any of our other readers have any thoughts on this subject?...

881201.0835-.0850/Call from: Michael Jeffers; ACD-TEL-MUMB?; L-49 Calle 11, Reparto Universidad San German; Puerto Rico; 00753.. Michael found out about us from Compute! 8811?..

He reports he just bought a TS1000? 'No Name Clone'. From his description, it sounds like a 'PCB300'..

He is interested in an I/O Map and in using it for Home Control, Complex Number Analysis, and Engineering Applications. He asked if we had any information on the PCB300..

Michael:.. He spent a few hours searching the SLIX files and found the following PCB300 info:

88 TIMELINE2 Articles: 88 8705 page 292; 'Product Review: PCB300' by: Bob Orfield.. 88 8704 page 284, 285; 'ZX81-TS1000-TS1500 Clones: The PCB300' by: Donald S. Lambert.. 88 the HACKER 8801 page 2 item; 'PCB300 'TS1000 Clone' owned by: Sven of: TS UG of Las Vegas..

88 ZX-Appeal 8710-11 pages 16, 17, 18 articles; 'More on the PCB300' by: Fred Nachbaur.. 88 ZX-Appeal 8809 articles: 888 Page 3; 'PCB300 Interfacing Alert' by: Ken Abramson.. 888 Page 16, 17, 18; 'PCB300- Magic or Madness' by: Fred Nachbaur..

88 870910 SBCC/MLAZIUS ML items: 'Robert Schinke 'Rocket Man' has acquired a PCB300 for a back-up to his TS1000. He uses his TS1000, in portable mode, for doing field math calculations at their model rocket firings.. We are going to put a BASIC 'starter' program package together for new PCB300 users.. Candidates include: 888 TW1000 Word Proc. .. 888 VU-CALC Basic version.. 888 SMALL WONDER File Program.. 888 BISA2 Disassembler..' 'PCB300 technical details are covered in depth, in the Summer issue newsletter: ZX-Appeal; from: Vancouver, Canada TS User's Group; Rod Humphreys; 2006 Highview Place; Port

Other Contacts:;
88 Frank Davis;; (317)473-8031
Ex-Editor, Secretary?, &
Treasurer?;; 513 E.Main;;
Peru;; IN;; 46970...

* 880531/Newsletter Exchange,
ATSU ML 8804, (7 Pages);
ATSU; Nowgill Assor;
614-481-4251, Compuserve ID:
70007, 1760; Position?; 2000
Elwood Ave., Apt. B;
Columbus; OH; 43212; USA...

* 880910/Newsletter Exchange,
ZX Appeal 8809 (16 Pages);
Vancouver Sinclair Users
Group; Rod Humphreys;
604-438-7740 (Ken Abramson-
President); Treasurer &
Editor; 2006 Highview
Place; Port Moody; B.C.; V3H
1N5; CANADA...

* 880913/Newsletter Exchange,
SINCUS NEWS 8809-10,
(10 Pages); Sinclair Computer
Users Society; Paul Mill; -;
Secretary & Editor; 1229
Rhodes Road; Johnson City;
NY; 13790; USA..

Other Contacts:
* John Colonna, SINCUS Tape
(and disk?) Swap coordinator;
-; 20 Guilfoyle Ave.;
Binghamton; NY; 13903...

* 880113/Newsletter Exchange,
D/FW ML (Data Expansion), 8801,
(24 Pages); Dallas/ Fort Worth
Timex/ Sinclair/ Amstrad
Metropolis User Group; John L.
Battey; TS Sub BBS, (817 or
214)540-4183, 8/W/1, 24hrs;
Position?; 717 Juniper;
Lewisville; TX; 75067; USA..

Other Newsletter Exchanges:
* The Dallas Timex/ Sinclair/
Amstrad Users Group
(D T/S/A UG); George Edmonds;
-; Position?; Post Office Box
153421; Irving; TX; 75015..
* The Fort Worth Timex/Sinclair
Users Group; c/o David
Baulch; -; Position?; 4424
Beddes Avenue; Fort Worth;
TX; 76107... ..

* 880113/Newsletter Exchange?,
QZX ML (from D/FW ML 8801)
Issue?, (Number of Pages);
QZX; Name?; -; Position?;
2025 O'Donnell Drive; Las
Cruces; NM; 88001; USA...

* 880915/Newsletter Exchange,
PACC TALK 8809?, (4 Pages);
Pittsburgh Area Computer Club;
NAME?; PACC BBS, 412-221-4599,
8/W/1, 300/1200/2400, 24hrs;
Position?; P.O. Box 6440;
Pittsburgh; PA; 15212; USA..

Other Contacts:
* Pres.: Phil Cutrara;
412-321-3181..
* Treas.: Duane Ellis;
412-367-7549..
* MAL 3YR: Joe Siciliano;
412-488-8559..
* MAL 1YR: Jim Bocock;
412-325-2028..
* MAL 2YR: Judy Muir;
412-379-8762..
* Timex S16 Leader:
Tom Weatherington;
412-672-4211...

* 880220/Newsletter Exchange,
CATS ML 8802, (?? Pages);
Capital Area Timex Sinclair
User Group; Tom Bent;
301-730-7187; President; P.O.
Box 467; Fairfax Station;
VA; 22039; USA..

Other Contacts:
* Vernon Smith;
(703)978-1835; Contact Person,
Editor...

* 881001/Newsletter Exchange,
the HACKER 8810, (10 Pages);
Timex Sinclair User Group of
Las Vegas; Steve Samchuk;
702-451-6676; Editor; 2345

Moorepark Way; Hendersoh;
NV; 89015; USA...

* 880106/Newsletter Exchange,
QL Newsletter Issue?,
(1 Page); QL Users Group;
David Sullivan;
ACD-TEL-NUMB?; Organizer;
P.O. Box 353; Bilsun; NH;
03448; USA...

* 880926/Newsletter Exchange,
MATS ML 8810, (5 Pages);
Harrisburg Area Timex Sinclair
Users Group; Dave Bennett;
717-774-7531; Editor; 329
Walton St. (Rear); Lemoyne;
PA; 17043; USA...

* 880917/Newsletter Exchange,
TS Bulletin 8806, (8 Pages);
Ottawa-Hull Timex Sinclair User
Group; Bill Harner;
ACD-TEL-NUMB?; Software
Manager; 97 Ruskin Street;
Ottawa; Ont.; K1V 4B3;
CANADA..

Other Contacts:
* Alan Moore; ACD-TEL-NUMB?;
President; 1268 Hattland
Ave.; Ottawa; Ont. ...
* David Solly; ACD-TEL-NUMB?;
Librarian; 1545 Alta Vista
Dr., Apt. 1402; Ottawa; Ont.;
...

* 880706/Newsletter Exchange,
SBCC/MLAZIUS ML 880630, (TS2040
Letter + 1 Page); South Bay
Computer Club, Timex Sinclair
User's Group/ West Los Angeles
ZX User's Group; John
Petersen;
213-545-9581, BBS 213-329-3922,
24HRS; Position?; 2316 Walnut
Ave.; Manhattan Beach; CA;
90266; USA...

* 880730/Newsletter Exchange,
Pixel Print Pns 8806mar,
(7 Pages); Pixel Print Press,
Leake Software Development;
Stan Leake; ACD-TEL-NUMB;
Editor; 2144 White Oak;
Wichita; KS; 67207; USA..
Other Contacts:
* Bill Ferrebee;
ACD-TEL-NUMB; Editor; 749
Hill Street 86; Parkersburg;
WV; 26104...

* 881003/Newsletter Exchange,
KATS KNEWS (KATS KOMPUTER
KNEWS) 8809, (2 Pages); Kansas
Area Timex Sinclair Users
Group; Randy Cummings;
(316)-733-0242; Vice-President
& Software Exchange Chairman?;
124 W. 10th.; Andover; KS;
67002; USA..

Other Contacts:
* Paul D. Reynolds;
(316)529-2575; President;
P.O. Box 17579; Wichita; KS;
67217..
* Ken Cummings; -; 141
Browns Dr.; Wichita; KS;
67230..
* Matt Kiddoo; ?; ?; ...

* 880227/Newsletter Exchange,
SS TS WF 88 ML 8803?,
(?? Pages);
Sunstate TS Winterfest News;
Joe Williamson; BBS
904-775-0093, 8,1,M, 300,
24HRS; Editor?; 249 N.
Harden; Orange City; FL;
32763; USA...

* 880903/Newsletter Exchange,
VISTA ML V2-N5, 8809?,
(7 Pages); Vashon Island
Sinclair Timex Association;
Tony Willing; 206-567-4118;
Editor; P.O. Box 199;
Vashon; WA; 98070; USA...

* 881012/Newsletter Exchange,
SMUB BYTES 8810, (8 Pages);
Sinclair Milwaukee Users
Group; Bill Heberlein;
414-527-21912; Editor; 5052
N. 91st Street; Milwaukee;
WI; 53225; USA..

Other Contacts:
* President; N. Schultz;
414-353-4522
* Secretary; L. Dreger;
414-321-0694
* Treasurer; F. Frohboese;
414-377-1385
* Education; R. Cultice;
414-542-3591..
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1-414-338-0260?
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* R. Cultice; RP/M;
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* R. Hilsaen; DL...;
414-251-5291...

* 880625/Newsletter Exchange,
LISTING 8805, (10? Pages);
Long Island Sinclair Timex User
Group; Harvey Rait;
ACD-TEL-NUMB?; Secretary and
Tape Librarian; 5 Peri Lane;
Valley Stream; NY; 11581;
USA..
Other Contacts: Joe Newman;
201-527-0535; Editor; 325 W.
Jersey St., #20; Elizabeth;
NJ; 07202...

881004.1446; sx88; END....

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JORDAN HALL (in the 0000)
ROOM 300C (downstairs)

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MARCH 4, 11, 18, 25, 1989

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MARCH 19, 1989

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We equally support all of the computers: TS1000/ZX81, TS1500, PCB300(the T/S "clone"), Spectrum, a large section for the TS2068, and

a newly expanded section for the Sinclair QL. We also keep tabs on new Sinclair computers. The first comprehensive review of the Z88 laptop computer in the U.S. appeared in TIME DESIGNS. Some of our readers use other computers (like IBM compatibles) along with their T/S machines.

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